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V.—ON THE FORMS $APTEMI\Sigma$, $APTAMI\Sigma$.

In Greek dialectology there are a number of words in which an interchange between a and ϵ plays a role. Many such cases can be explained as arising from different degrees of ablaut, the a being the representative of an original nasal or liquid vowel. But there remain a few instances in which no such explanation is possible, and of these the most important example is the name of the goddess Artemis. Numerous etymologies have been proposed for this word, without any of them having obtained general approval. That proposed by Plato (Crat. 406 B), who derived the word from $\partial \rho \tau \epsilon \mu \dot{\eta} s$, and understood Artemis as the Undefiled, the Maiden, has been revived again in modern times by Preller and Welcker, but seems at present to rest under a cloud.

The following is proposed by Bury (Bzz. Beiträge VII, p. 341): "Bριτόμαρτις ist der kretische titel von Artemis. Wir sind also berechtigt "Αρτεμις (aus Μρτεμις) zum lit. marti, 'mädchen,' 'braut' zu stellen. ϵ is schwā (vgl. dor. "Αρταμις)." But what is Μρτεμις? From Mrt it is impossible to obtain either "Αρτ- or Lithuanian mart-. If Βριτό-μαρτις and Lith. mart-ì have any connection, they must go back to mart, not mrt, which would give Lith. mìrt-. Even if we could conceive such a monstrosity as mrt as the progenitor of "Αρτ-, Lith. mart- remains unaccounted for. So the probability of any such connection as is suggested is very small. In the interchange between a and ϵ Bury appears to see the varying representation of the "schwā" or "irrational vowel," as, for example, in $\gamma \epsilon \nu - \epsilon - \tau \eta \rho$ and $\theta \nu \gamma - \delta - \tau \eta \rho$. To be sure, the treatment of the irrational vowel in Greek is not yet thoroughly cleared up, but that in the same word it should appear now as ϵ , now as ϵ , is impossible.

Robert, in his new edition of Preller's Mythology, takes *Αρταμις as the original form, and derives it from ἀρταμέω. But the characterization of Artemis as "die Schlächterin" is to me utterly improbable. While in poetry Artemis is represented chiefly as a huntress, this is not an original attribute, as is shown by the various cults, especially that of Arcadia. Leaving, then, all these etymologies as too uncertain to be of any assistance in determining the priority of the two forms, I pass to an exact consideration of the preferences of the various dialects. In Gustav Meyer's Griechische Grammatik, p. 64, we find the following statement: "*Αρταμις aus

Inschriften von Kreta, Korkyra, Rhodos, Sicilien als allgemein dorisch erwiesen, ebenso auf boötischen Inschriften: ion. att. lesb. "A $\rho\tau\epsilon\mu\iota$ s." The case, however, is not so simple, and I think that the following statistics' will show that the statement is at least inexact.

Ion.-Att. "Αρτεμις.

Aeolic (as represented in its purity by Lesbian). "Αρτεμις.

Arcado-Cyprian. "Αρτεμις (only one occurrence; cf. Bull. corr. hell. VII 488 ff.; Meister, Gr. Dialekte, II 78).

Let us now consider the Doric dialects and those in which the Doric element is strongly represented.

- I. Lakonian. 'Αρτεμᾱ² (C. I. G. 1436); 'Αρτέμιδι (three times, Foucart in Le Bas and Waddington 162 a, d, j); 'Αρτέμιτι (twice, Fouc. 162 b, C. I. G. 1416); 'Αρτέμιδος (twice, C. I. G. 1444); 'Αρτεμίδωρος (C. I. G. 1364); 'Αρτεμιτίου (Fouc. 194 b); in all, ten times 'Αρτεμ-, not once 'Αρταμ-. These inscriptions are, indeed, of a late date, but with two exceptions written in the local dialect. Also in Alkman we find 'Αρτέμιτος (101 B, Bergk). In the chorus of the Lysistrata stand 'Αρταμιτίω (1251) and "Αρταμι (1262), but the inexactness of Aristophanes' imitations of the dialects is well known.
- 2. Messenian. 'Αρτέμιδι (Fouc. 311a; in the same inscription stands ά πόλις ά τῶν Μεσσα-); 'Αρτέμιτος (twice, Fouc. 296).
 - 3. Argive. Argos. 'Αρτάμι (Fouc. 109 a = Cauer² 57).

Epidaurus. 'Αρτάμιτος (Baunack, Stud. I 1, No. 71).

'Αρτάμυτι (C. I. G. 1172); but 'Αρτέμιδι (three times, Baun. Nos. 48, 98; Fouc. 147 a).

'Aρτέμιδος (twice, Baun. 52; C. I. G. 1173); 'Αρτεμίδωρος (Fouc. 156 a1).

Two of these inscriptions are written in the κοινή, and so to be left out of account.

4. Corinthian. Phleius. 'Αρτάμ[ιτος] (Collitz 3171).

Corcyra. 'Αρτάμιτι (twice, Coll. 3206, 3211), but 'Αρτεμιτίου, 'Αρτεμιτίφ in the same inscription (3206).

Apollonia. 'Αρτάμιτι (Coll. 3221); 'Αρτέμιτι (Coll. 3222).

Acae. 'Αρτέμων, 'Αρτέμωνος (Coll. 3243, 3245); 'Αρτεμιδώρφ, 'Αρτεμιτίφ (Coll. 3246).

5. Megara. 'Αρτάμιτι (Coll. 3026); but in an inscription recently discovered at Epidaurus and written in the Megarian dialect (Έφ. ἀρχ. '87, 9; Baunack Stud. I 2, 220 ff.), are to be found 'Αρτεμίδωρος (l. 73) and 'Αρταμίδωρος (l. 93). In the published text we find

¹ I am obliged to Dr. Joh. Baunack for kindly allowing me to look through some of his private indices to the scattered Peloponnesian inscriptions.

² It is, of course, necessary to include the proper names related to Artemis.

'Aρτεμίδωρος in both cases, but the stone has this spring been newly examined by Baunack, who has informed me that in line 93 the reading is certainly 'Aρταμίδωρος.

6. Crete. Gortyna. Αρτεμιν (Law Code, III 6, 7).

Dreros. "Αρτεμιν (Cauer² 121, 25).

Eleutherae. 'Αρτέμιδι (C. I. G. 2565), also 'Αρτεμι $[\sigma]$ ί[a] (C. I G. 2568), but this is written in Attic κοινή.

The 'Αρταμιτίου on one of the "in dialektischer Beziehung ganz fragwürdigen Beschlusse kret. Gemeinden die Steinmetzen der ion. Insel Teos eingehauen haben" (C. I. G. 3052, cf. G. Meyer, Gr. Gram. p. xxiii), should not be passed over in silence, but cannot be regarded as certain Cretan.

7. The other Doric Islands.

Rhodos. 'Αρτάμιτος (three times, Cauer 189, 190; Bull. corr. hell. '85, p. 100); but 'Αρτεμιδώρου (Newton, Ancient Greek Inscriptions in the British Museum 343, l. 62. Δαμάτριος stands in the preceding line). On the Rhodian vases we find very frequently 'Αρταμιτίου ('Αθην. '75, p. 222 ff.; Dumont, Inscriptions Céramique de Grèce, frequently); but also 'Αρτεμίδωρος (Dumont, p. 86, No. 74).

Anaphe. 'Αρτέμιτι (C. I. G. 2481, in the same inscription τ à s ματρόs).

To sum up the statistics in reference to the Doric dialects, we find that in three of them 'A $\rho\tau\epsilon\mu$ - is the only form found in the inscriptions (leaving the Teian inscription out of account), while in the others the two forms occur with nearly equal frequency.

'Αρτεμ- is also the regular and only form of the "Achaeic-Doric κοινή," which was so widespread by the influence of the Achaean and Aetolian leagues.

- 1. Aetolia. 'Αρτέμιτος (twice, Coll. 1428 h).
- 2. Phthiotis. 'Αρτέμιδι (twice, Coll. 1464, 1465).
- 3. Aeneia. 'A $\rho \tau \epsilon \mu [\tau i o v]$ (Coll. 1435²).
- 4. Phocis. Abae. 'Αρτέμιτι (Coll. 1513).

Delphi. 'Αρτέμιτι (Wescher et Foucart, Inscriptions recueilles à Delphes, No. 145); 'Αρτεμισία (W. and F. 74), 'Αρτεμίδωρος (five times, W. and F. Nos. 75, 182, 235, 239, 307); 'Αρτέμων, 'Αρτέμωνος, 'Αρτέμωνα (W. and F. 216).

From the period when actual local dialects were spoken in these regions we have only one example of the word, and that from Delphi, ' $\Delta \rho \tau \dot{a} \mu [\tau os]$ (Cauer² 194).

We come now to the several mixed dialects, of which the Boeotian alone furnishes examples of the word. In this the form 'Αρταμ-

has its strongest representation. The Boeotians were actually more "Doric" than the Dorians. In the collection of Collitz we find for the name of the goddess about a dozen cases of the forms with a and not a single example with ϵ . Among the related proper names 'A $\rho\tau a\mu$ - occurs twice, and 'A $\rho\tau \epsilon\mu$ - four times. But during the recent excavations carried on at Anthedon under the direction of the American School of Classical Studies at Athens, two inscriptions 'came to light which show the usual orthographical peculiarities of Boeotian, and at the same time have each the form 'A $\rho\tau\epsilon\mu\nu\delta\iota$.

Locrian, Elean, and Thessalian offer no examples.

Thus we have followed the word through all the dialects without having found one in which ' $\Lambda\rho\tau a\mu$ - is the only form, while ' $\Lambda\rho\tau\epsilon\mu$ -, on the other hand, is the only form in three Doric dialects and in the Achaeic-Doric $\kappao\iota\nu\dot{\eta}$, not to speak of Ion-Attic, Lesbian, and Arcado-Cyprian. After these facts, can any one hold ' $\Lambda\rho\tau a\mu$ - as the distinctively Doric form, and regard the numerous cases of ' $\Lambda\rho\tau\epsilon\mu$ - as borrowed from other dialects?

The Lakonian and Messenian inscriptions are late, to be sure, but show no trace of the Attic $\kappa_0 \iota \nu \dot{\eta}$. For the Gortynian inscription any such influence is, of course, out of the question. Hoffmann (De mixtis graecae linguae dialectis) claims to find Achaeic influence in Cretan (he uses Achaeic in the sense of an independent dialect which he supposes to have been spoken throughout the Peloponnesus in the time of the Atreidae, and out of which the Arcadian and Cyprian arose), and so he might regard 'Aprepas a non-Doric element, but he has carried the sphere of dialect-mixture to an extravagant extent which will be approved by few.

If, then, as we have found, the form ' $\Lambda\rho\tau a\mu$ - has such a small representation compared with ' $\Lambda\rho\tau\epsilon\mu$ -, we are certainly not justified in regarding the former as the original and building an etymology upon it, as Robert does. According to all probability " $\Lambda\rho\tau\epsilon\mu\iota$ s is the original form, and every attempt to find an etymology should take this as the basis. How ' $\Lambda\rho\tau a\mu$ - arose out of ' $\Lambda\rho\tau\epsilon\mu$ - I do not venture to say; possibly by assimilation of the second vowel to the first. Be that as it may, I trust that it may not be without advantage to have the usage of the various dialects in regard to the word exactly stated. CARL D. BUCK.

¹ See American Journal of Archaeology, 1889, No. 4.